



Dart Aerospace Ltd.  
1270 Aberdeen St  
Hawkesbury, ON  
K6A 1K7  
Canada

Tel (613) 632-5200  
Fax 613 632-5246

647.1914  
Job Sheet 181352



Part No: 647.1914

Job Qty: 40 ea

Part Name: Bracket



Part Weight: 0 lbs

Status: Scheduled

Priority: Medium

Job Created: 7/26/18

Job Tracking No:

647.1914

Due Date: 9/10/18

Created By: Marie Lajeunesse

S101859

Type: Stock

Description:

Note: DWG REV n/c SHEETS 1,2,6 IPP REV:A RQ 13/11/01 new issue VERIFIED BY:DD

REV.N/C

Ship Via:

### Bill of Materials

### Job Routing

| Op No | Operation              | Qty    | Start Date | Due Date | Standard  |         | Workcenter/Supplier   |           | Sign-off   |
|-------|------------------------|--------|------------|----------|-----------|---------|-----------------------|-----------|------------|
|       |                        |        |            |          | Setup hrs | Run Hrs | Workcenter / Supplier | Lead Time |            |
| 90    | Start up Operation     | 40 Ea  | 9/10/18    | 9/10/18  | 0.00      | 0.00    | Start Up Machining-1  |           | 2018/08/13 |
| 100   | Bandsaw                | 40 pcs | 9/10/18    | 9/10/18  | 0.00      | 0.41    | Bandsaw1              |           | 11         |
| 110   | CNC Vertical Machining | 40 pcs | 9/10/18    | 9/10/18  | 0.10      | 33.39   | HAAS1-1               |           | 11         |
| 120   | QC                     | 40 pcs | 9/10/18    | 9/10/18  | 0.00      | 0.00    | QC2 Machining-1       |           | 11         |
| 130   | QC                     | 40 pcs | 9/10/18    | 9/10/18  | 0.00      | 0.00    | QC8 Machining-1       |           | 11         |
| 140   | Outsource              | 40 pcs | 9/10/18    | 9/10/18  |           |         | ATG001-VC             |           | 11         |
| 150   | Packaging              | 40 pcs | 9/10/18    | 9/10/18  | 0.00      | 0.00    | Packaging2            |           | 11         |
| 155   | QC                     | 40 pcs | 9/10/18    | 9/10/18  | 0.00      | 0.00    | QC5                   |           | 11         |
| 180   | Packaging              | 40 pcs | 9/10/18    | 9/10/18  | 0.00      | 0.00    | Packaging3-1          |           | 11         |
| 190   | QC21-SA                | 40 Ea  | 9/10/18    | 9/10/18  | 0.00      | 0.00    | QC21                  |           | 11         |

Part Op 100 - Cut Blanks at 2.00"

Descriptions: 110 - 1-Machine per folio FB225 FOLIO REV: \_\_\_\_\_ 2- deburr and break all sharp edges

140 - Issue P/O to ATG: 1040777 1- Black Anodize as per Dwg 647.1900

180 - \*\*\*IDENTIFY AS PER APICAL MPP-120 BY STAMPING P# AND REV\*\*\*

### Job BOM

| Part / Item         | Component Name                        | Quantity            | Operation   | Container |
|---------------------|---------------------------------------|---------------------|-------------|-----------|
| M7075T6B1.250X2.000 | 7075-T6 Bar 1.250" X 2.000" See mat'l | 6.6400 ft (.166 ea) | 90-Start up |           |
|                     | M7075T6S1.250X2.000                   |                     | Operation   |           |

### Job Allocations

| Operation             | Component Part      | Required | Inventory | Allocated |
|-----------------------|---------------------|----------|-----------|-----------|
| 90-Start up Operation | M7075T6B1.250X2.000 | 7        | 0         | 0         |

### Part Specifications

| Spec No | Description | Target/Tolerance        | Limits         | Type | Special Comments |
|---------|-------------|-------------------------|----------------|------|------------------|
| 1       | Bracket     | 1.000Inches $\pm$ 0.010 | 1.010<br>0.990 |      |                  |
| 2       | Bracket     | 1.660Inches $\pm$ 0.010 | 1.670<br>1.650 |      |                  |
| 3       | Bracket     | 1.840Inches $\pm$ 0.010 | 1.850<br>1.830 |      |                  |

DQA: \_\_\_\_\_ Date: \_\_\_\_\_

**WORK ORDER NON-CONFORMANCE / UPDATE**

QA Closed: \_\_\_\_\_

Date: \_\_\_\_\_

Work Order update only ☐

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| Work Order: _____<br><br>Part No. _____<br><br>NCR No. _____                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                            | <b>DISPOSITION</b><br><br>Rework <input type="checkbox"/><br>Scrap <input type="checkbox"/><br>Use-as-is <input type="checkbox"/><br>Suspected Unapproved <input type="checkbox"/> |                                      | <b>AGAINST DEPARTMENT/PROCESS</b><br><br><table style="width:100%; border: none;"> <tr> <td style="width:15%;">Skid-tube <input type="checkbox"/></td> <td style="width:15%;">Cross tube <input type="checkbox"/></td> <td style="width:15%;">Water Jet <input type="checkbox"/></td> <td style="width:15%;">Engineering <input type="checkbox"/></td> </tr> <tr> <td>Machining <input type="checkbox"/></td> <td>Small Fab <input type="checkbox"/></td> <td>Prod. Eng. Coord. <input type="checkbox"/></td> <td>Quality <input type="checkbox"/></td> </tr> <tr> <td>Thermoforming <input type="checkbox"/></td> <td>Finishing <input type="checkbox"/></td> <td>Rec/Store/Packaging <input type="checkbox"/></td> <td>Other <input type="checkbox"/></td> </tr> <tr> <td>Large Fab <input type="checkbox"/></td> <td>Composite <input type="checkbox"/></td> <td>Supplier <input type="checkbox"/></td> <td></td> </tr> </table> |                                             |                                 |                                   |                                              |                                       | Skid-tube <input type="checkbox"/>     | Cross tube <input type="checkbox"/> | Water Jet <input type="checkbox"/>    | Engineering <input type="checkbox"/> | Machining <input type="checkbox"/> | Small Fab <input type="checkbox"/>       | Prod. Eng. Coord. <input type="checkbox"/>  | Quality <input type="checkbox"/>          | Thermoforming <input type="checkbox"/>    | Finishing <input type="checkbox"/> | Rec/Store/Packaging <input type="checkbox"/> | Other <input type="checkbox"/>               | Large Fab <input type="checkbox"/>  | Composite <input type="checkbox"/>           | Supplier <input type="checkbox"/>         |                                                |                                        |                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |  |  |  |  |                                          |                                           |                                  |                                 |                                                |                                    |                                 |                                               |                                                 |                                                            |                                |                                        |                                   |                                      |                                     |                                        |                                             |                                                          |                                        |                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |                                           |                                           |                                        |                                             |                                |                                               |                               |                                         |                                             |                                            |                                          |                                     |                                  |                                  |                                     |                                 |                                       |                                  |                                                |                                           |
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Coord. <input type="checkbox"/>                                                                                                                                         | Quality <input type="checkbox"/>     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         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| Description Work Order Deviation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       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| Root Cause                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             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| <table style="width:100%; border: none;"> <tr> <td style="width:50%;">Environment <input type="checkbox"/></td> <td style="width:50%;">No Re-verification <input type="checkbox"/></td> </tr> <tr> <td>Design <input type="checkbox"/></td> <td>Operator <input type="checkbox"/></td> </tr> <tr> <td>Doc/Data <input type="checkbox"/></td> <td>Offset/Setup <input type="checkbox"/></td> </tr> <tr> <td>Equip/Tooling <input type="checkbox"/></td> <td>Supplier <input type="checkbox"/></td> </tr> <tr> <td>Handling/Pre <input type="checkbox"/></td> <td>Training <input type="checkbox"/></td> </tr> <tr> <td>Material <input type="checkbox"/></td> <td>Use for Testing <input type="checkbox"/></td> </tr> <tr> <td>Internal Transport <input type="checkbox"/></td> <td>Poor Information <input type="checkbox"/></td> </tr> <tr> <td>Tribal Knowledge <input type="checkbox"/></td> <td>Rushing <input type="checkbox"/></td> </tr> <tr> <td>LOA <input type="checkbox"/></td> <td>Product Improvement <input type="checkbox"/></td> </tr> <tr> <td>Substation <input type="checkbox"/></td> <td>Process Improvement <input type="checkbox"/></td> </tr> <tr> <td>Past Expiry Date <input type="checkbox"/></td> <td>Manufacturing Process <input type="checkbox"/></td> </tr> <tr> <td>Misidentified <input type="checkbox"/></td> <td>Past Due <input type="checkbox"/></td> </tr> </table> |                                                            |                                                                                                                                                                                    |                                      | Environment <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | No Re-verification <input type="checkbox"/> | Design <input type="checkbox"/> | Operator <input type="checkbox"/> | Doc/Data <input type="checkbox"/>            | Offset/Setup <input type="checkbox"/> | Equip/Tooling <input type="checkbox"/> | Supplier <input type="checkbox"/>   | Handling/Pre <input type="checkbox"/> | Training <input type="checkbox"/>    | Material <input type="checkbox"/>  | Use for Testing <input type="checkbox"/> | Internal Transport <input type="checkbox"/> | Poor Information <input type="checkbox"/> | Tribal Knowledge <input type="checkbox"/> | Rushing <input type="checkbox"/>   | LOA <input type="checkbox"/>                 | Product Improvement <input type="checkbox"/> | Substation <input type="checkbox"/> | Process Improvement <input type="checkbox"/> | Past Expiry Date <input type="checkbox"/> | Manufacturing Process <input type="checkbox"/> | Misidentified <input type="checkbox"/> | Past Due <input type="checkbox"/> | <table style="width:100%; border: none;"> <tr> <td style="width:50%;">Pressure/Forced <input type="checkbox"/></td> <td style="width:50%;">Temperature/Cure <input type="checkbox"/></td> </tr> <tr> <td>Bending <input type="checkbox"/></td> <td>Set-up <input type="checkbox"/></td> </tr> <tr> <td>Centre Not Concentric <input type="checkbox"/></td> <td>BOM/Route <input type="checkbox"/></td> </tr> <tr> <td>Cracks <input type="checkbox"/></td> <td>Broken/Damage/Defect <input type="checkbox"/></td> </tr> <tr> <td>Crimp/Kink/Ripple/Wave <input type="checkbox"/></td> <td>Inspection Incomplete/Unqualified <input type="checkbox"/></td> </tr> <tr> <td>Cuffs <input type="checkbox"/></td> <td>Contamination <input type="checkbox"/></td> </tr> <tr> <td>Crushing <input type="checkbox"/></td> <td>Countersink <input type="checkbox"/></td> </tr> <tr> <td>Heat Treat <input type="checkbox"/></td> <td>Cut Too Short <input type="checkbox"/></td> </tr> <tr> <td>Wave/Twist in Tube <input type="checkbox"/></td> <td>Instructions Incomplete/Unclear <input type="checkbox"/></td> </tr> <tr> <td>Marks/Chatter <input type="checkbox"/></td> <td>Drill Holes <input type="checkbox"/></td> </tr> </table> |  |  |  |  |  | Pressure/Forced <input type="checkbox"/> | Temperature/Cure <input type="checkbox"/> | Bending <input type="checkbox"/> | Set-up <input type="checkbox"/> | Centre Not Concentric <input type="checkbox"/> | BOM/Route <input type="checkbox"/> | Cracks <input type="checkbox"/> | Broken/Damage/Defect <input type="checkbox"/> | Crimp/Kink/Ripple/Wave <input type="checkbox"/> | Inspection Incomplete/Unqualified <input type="checkbox"/> | Cuffs <input type="checkbox"/> | Contamination <input type="checkbox"/> | Crushing <input type="checkbox"/> | Countersink <input type="checkbox"/> | Heat Treat <input type="checkbox"/> | Cut Too Short <input type="checkbox"/> | Wave/Twist in Tube <input type="checkbox"/> | Instructions Incomplete/Unclear <input type="checkbox"/> | Marks/Chatter <input type="checkbox"/> | Drill Holes <input type="checkbox"/> | <table style="width:100%; border: none;"> <tr> <td style="width:50%;">Power Loss/Surge <input type="checkbox"/></td> <td style="width:50%;">Positioned Wrong <input type="checkbox"/></td> </tr> <tr> <td>Folio/Program <input type="checkbox"/></td> <td>Outside Dimensions <input type="checkbox"/></td> </tr> <tr> <td>Grain <input type="checkbox"/></td> <td>Over/Under tolerance <input type="checkbox"/></td> </tr> <tr> <td>Weld <input type="checkbox"/></td> <td>Part Incorrect <input type="checkbox"/></td> </tr> <tr> <td>Wrong Stock Pulled <input type="checkbox"/></td> <td>Part Lost/Missing <input type="checkbox"/></td> </tr> <tr> <td>Out of Sequence <input type="checkbox"/></td> <td>Part Moved <input type="checkbox"/></td> </tr> <tr> <td>Off-set <input type="checkbox"/></td> <td>Drawing <input type="checkbox"/></td> </tr> <tr> <td>Mislabeled <input type="checkbox"/></td> <td>Finish <input type="checkbox"/></td> </tr> <tr> <td>Fit/Function <input type="checkbox"/></td> <td>Misread <input type="checkbox"/></td> </tr> <tr> <td>Misaligned/off center <input type="checkbox"/></td> <td>Turning Sequence <input type="checkbox"/></td> </tr> </table> |  | Power Loss/Surge <input type="checkbox"/> | Positioned Wrong <input type="checkbox"/> | Folio/Program <input type="checkbox"/> | Outside Dimensions <input type="checkbox"/> | Grain <input type="checkbox"/> | Over/Under tolerance <input type="checkbox"/> | Weld <input type="checkbox"/> | Part Incorrect <input type="checkbox"/> | Wrong Stock Pulled <input type="checkbox"/> | Part Lost/Missing <input type="checkbox"/> | Out of Sequence <input type="checkbox"/> | Part Moved <input type="checkbox"/> | Off-set <input type="checkbox"/> | Drawing <input type="checkbox"/> | Mislabeled <input type="checkbox"/> | Finish <input type="checkbox"/> | Fit/Function <input type="checkbox"/> | Misread <input type="checkbox"/> | Misaligned/off center <input type="checkbox"/> | Turning Sequence <input type="checkbox"/> |
| Environment <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   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| Design <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        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| Doc/Data <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      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| Equip/Tooling <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 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| Handling/Pre <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  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| Material <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      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| Internal Transport <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            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| Tribal Knowledge <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              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| LOA <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           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| Substation <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    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| Pressure/Forced <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               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| Centre Not Concentric <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         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| Cracks <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        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| Crimp/Kink/Ripple/Wave <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        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| Cuffs <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         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| Crushing <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      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| Heat Treat <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    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| Wave/Twist in Tube <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            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| Marks/Chatter <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 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| Power Loss/Surge <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              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| Folio/Program <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 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| Grain <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         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| Weld <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          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| Wrong Stock Pulled <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            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| Out of Sequence <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               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| Off-set <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       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| Mislabeled <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    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| Fit/Function <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  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| Misaligned/off center <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         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                               |                                             |                                            |                                          |                                     |                                  |                                  |                                     |                                 |                                       |                                  |                                                |                                           |
| OTHER : _____                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                            |                                                                                                                                                                                    |                                      |                                                                                                                                                                                                                                                                                                                                                                            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                       |                                           |                                           |                                    |                                              |                                              |                                     |                                              |                                           |                                                |                                        |                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |                                           |                                           |                                        |                                             |                                |                                               |                               |                                         |                                             |                                            |                                          |                                     |                                  |                                  |                                     |                                 |                                       |                                  |                                                |                                           |

|   |         |                     |                |
|---|---------|---------------------|----------------|
| 4 | Bracket | 0.380Inches ± 0.010 | 0.390<br>0.370 |
| 5 | Bracket | 0.070Inches ± 0.010 | 0.080<br>0.060 |

Plex 7/26/18 7:12 AM Dart.lajeunesse.marie



DQA: \_\_\_\_\_ Date: \_\_\_\_\_

**WORK ORDER NON-CONFORMANCE / UPDATE**

QA Closed: \_\_\_\_\_ Date: \_\_\_\_\_

Work Order update only ☐

|                                                                                                            |                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |
|------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|
| Work Order: _____<br><br>Part No. _____<br><br>NCR No. _____<br><br>Date : _____<br><br>_____<br><br>_____ | <b>DISPOSITION</b><br><br>Rework <input type="checkbox"/><br>Scrap <input type="checkbox"/><br>Use-as-is <input type="checkbox"/> | <b>AGAINST DEPARTMENT/PROCESS</b><br><br><div style="display: flex; justify-content: space-between;"> <div>             Skid-tube <input type="checkbox"/><br/>             Machining <input type="checkbox"/><br/>             Thermoforming <input type="checkbox"/> </div> <div>             Cross tube <input type="checkbox"/><br/>             Small Fab <input type="checkbox"/><br/>             Finishing <input type="checkbox"/> </div> <div>             Water Jet <input type="checkbox"/><br/>             Prod. Eng. Coord. <input type="checkbox"/><br/>             Rec/Store/Packaging Supplier <input type="checkbox"/> </div> <div>             Engineering Quality <input type="checkbox"/><br/>             Other <input type="checkbox"/> </div> </div> |  |  |  |
|                                                                                                            |                                                                                                                                   | MRB (QSI042) Approval                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |  |  |
|                                                                                                            |                                                                                                                                   | Completed By                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |  |  |
|                                                                                                            |                                                                                                                                   | Lead hand / Supervisor Approval Verification                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |  |  |
|                                                                                                            |                                                                                                                                   | QC / QA Coordinator Approval                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |  |  |

Part: 647.1514  
 Job No: 181352  
 Serial No/Batch: S101859  
 Revision:  
 Inspector:  
 Exp Date:  
 Instructions:  
 Date: 08/13/18

DART AEROSPACE  
 CONTAINER NO: S101859  
 1270 Aerden Street  
 Keweenaw, ON K0A 1K7  
 TEL: 1-813-832-5200  
 Email: sales@dartaero.com  
 www.dartaerospace.com

| Root               |                          |                       |                        |
|--------------------|--------------------------|-----------------------|------------------------|
| Environment        | <input type="checkbox"/> |                       |                        |
| Design             | <input type="checkbox"/> |                       |                        |
| Doc/Data           | <input type="checkbox"/> |                       |                        |
| Equip/Tooling      | <input type="checkbox"/> | Offset/Setup          | Centre Not Concentric  |
| Handling/Pre       | <input type="checkbox"/> | Supplier              | Cracks                 |
| Material           | <input type="checkbox"/> | Training              | Crimp/Kink/Ripple/Wave |
| Internal Transport | <input type="checkbox"/> | Use for Testing       | Cuffs                  |
| Tribal Knowledge   | <input type="checkbox"/> | Poor Information      | Crushing               |
| LOA                | <input type="checkbox"/> | Rushing               | Heat Treat             |
| Substation         | <input type="checkbox"/> | Product Improvement   | Wave/Twist in Tube     |
| Past Expiry Date   | <input type="checkbox"/> | Process Improvement   | Marks/Chatter          |
| Misidentified      | <input type="checkbox"/> | Manufacturing Process |                        |
|                    |                          | Past Due              | OTHER :                |

|                       |                          |                      |                          |
|-----------------------|--------------------------|----------------------|--------------------------|
| Power Loss/Surge      | <input type="checkbox"/> | Positioned Wrong     | <input type="checkbox"/> |
| Folio/Program         | <input type="checkbox"/> | Outside Dimensions   | <input type="checkbox"/> |
| Grain                 | <input type="checkbox"/> | Over/Under tolerance | <input type="checkbox"/> |
| Weld                  | <input type="checkbox"/> | Part Incorrect       | <input type="checkbox"/> |
| Wrong Stock Pulled    | <input type="checkbox"/> | Part Lost/Missing    | <input type="checkbox"/> |
| Out of Sequence       | <input type="checkbox"/> | Part Moved           | <input type="checkbox"/> |
| Off-set               | <input type="checkbox"/> | Drawing              | <input type="checkbox"/> |
| Mislabeled            | <input type="checkbox"/> | Finish               | <input type="checkbox"/> |
| Fit/Function          | <input type="checkbox"/> | Misread              | <input type="checkbox"/> |
| Misaligned/off center | <input type="checkbox"/> | Turning Sequence     | <input type="checkbox"/> |



Dart Aerospace Ltd.  
1270 Aberdeen St  
Hawkesbury, ON  
K6A 1K7  
Canada

Tel (613) 632-5200

# **PURCHASE ORDER** **PO040777**

**Supplier:** ATG001-VC  
A.T.G. Industries Inc  
731 INDUSTRIELLE ROAD  
ROCKLAND  
ON  
K4K 1T2 Canada  
Phone: 613-446-4544  
Fax: 613-446-4556

**PO No:** PO040777  
**PO Date:** 8/20/18  
**Due Date:** 9/7/18  
**Purchase Order**  
**Revision:**  
**Revision Date:**  
**Ship-To Contact:** Tsimiklis, Chrisoula

**Attention:** Lalande, Marc-Andre

**Via:** Ground  
**Pymt Terms:** Net 30  
**Freight Terms:**  
**Special Comments:**

**Ship To:** 1270 Aberdeen Street  
Hawkesbury  
ON  
K6A 1K7 Canada  
Phone: 613-632-5200

## Items

| Line Item | Job    | Part     | Description                                                                                                                                                         | Status | Account | Due Date | Order Quantity    | Received Quantity | Balance | Unit Price (CAD) | Extended Price |
|-----------|--------|----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|---------|----------|-------------------|-------------------|---------|------------------|----------------|
| 1         | 181419 | 647.7912 | Clip<br>ISSUE<br>P/O:<br>Hard Anodize, Color<br>Black and Prime As Per<br>Dwg. 647.7900                                                                             | Firmed | -       | 9/7/18   | 100 pcs           | 0 pcs             | 100 pcs | \$9.35/pcs       | \$935.00       |
|           |        |          |                                                                                                                                                                     |        |         |          | 100 X SEP 04 2018 |                   |         |                  |                |
| 2         | 181352 | 647.1914 | Bracket<br>Issue P/O to ATG :<br>1- Black<br>Anodize as per Dwg<br>647.1900                                                                                         | Firmed | -       | 9/7/18   | 40 pcs            | 0 pcs             | 40 pcs  | \$9.15/pcs       | \$366.00       |
|           |        |          |                                                                                                                                                                     |        |         |          | 40 X SEP 10 2018  |                   |         |                  |                |
| 3         | 181391 | 647.1915 | Support Angle<br>Issue P/O to ATG :<br>1- Black<br>Anodize as per Dwg<br>647.1900 2- PRIME AS<br>PER DWG, SEE NOTE<br>#2 Certification of<br>Conformity is required | Firmed | -       | 9/7/18   | 30 pcs            | 0 pcs             | 30 pcs  | \$11.45/pcs      | \$343.50       |
|           |        |          |                                                                                                                                                                     |        |         |          | 30 X AUG 31 2018  |                   |         |                  |                |
| 4         | 181389 | 647.1913 | Tee<br>Issue P/O to ATG :<br>1- Black<br>Anodize as per Dwg<br>647.1900 2- PRIME AS<br>PER DWG, SEE NOTE<br>#2 Certification of<br>Conformity is required           | Firmed | -       | 9/7/18   | 45 pcs            | 0 pcs             | 45 pcs  | \$11.45/pcs      | \$515.25       |
|           |        |          |                                                                                                                                                                     |        |         |          | 45 X SEP 10 2018  |                   |         |                  |                |

CT



## PURCHASE ORDER

| Items                            |        |          |                                                                                                                                                                          |        |         |          |                |                   |         |                  |                |  |
|----------------------------------|--------|----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|---------|----------|----------------|-------------------|---------|------------------|----------------|--|
| Line Item                        | Job    | Part     | Description                                                                                                                                                              | Status | Account | Due Date | Order Quantity | Received Quantity | Balance | Unit Price (CAD) | Extended Price |  |
| 5                                | 178869 | C10-1    | Side Plate Solenoid Side<br>-Issue P/O to ATG :<br><br>-ANODIZE COLOR BLACK, PER IAW MIL-A-8625F TYPE 2 CLASS 2, Water sealant<br>-Certificate of Conformity is required | Firmed | -       | 8/27/18  | 4 pcs          | 0 pcs             | 4 pcs   | \$16.40/pcs      | \$65.60        |  |
| 4 X AUG 24 2018                  |        |          |                                                                                                                                                                          |        |         |          |                |                   |         |                  |                |  |
| Line Item Note **big, big rush** |        |          |                                                                                                                                                                          |        |         |          |                |                   |         |                  |                |  |
| 6                                | 178871 | C10-2    | Side Plate - MRK<br>-Issue P/O to ATG:<br><br>-ANODIZE COLOR BLACK, PER IAW MIL-A-8625F TYPE 2 CLASS 2, Water sealant<br>-Certificate of Conformity is required          | Firmed | -       | 8/27/18  | 4 pcs          | 0 pcs             | 4 pcs   | \$16.40/pcs      | \$65.60        |  |
| 4 X AUG 24 2018                  |        |          |                                                                                                                                                                          |        |         |          |                |                   |         |                  |                |  |
| Line Item Note **Big, big rush** |        |          |                                                                                                                                                                          |        |         |          |                |                   |         |                  |                |  |
| 7                                | 181358 | 647.1811 | Spacer<br>ISSUE<br>P/O:<br>HARD ANODIZE, COLOR BLACK AS PER DWG.(SEE NOTE 2)                                                                                             | Firmed | -       | 9/7/18   | 50 pcs         | 0 pcs             | 50 pcs  | \$6.90/pcs       | \$345.00       |  |
| 50 X AUG 31 2018                 |        |          |                                                                                                                                                                          |        |         |          |                |                   |         |                  |                |  |
| Grand Total:                     |        |          |                                                                                                                                                                          |        |         |          |                |                   |         |                  | \$2,635.95     |  |

## Order Notes

## Procurement Quality Clauses

A005 right of entry  
A012 chemical and physical test report  
A016 personnel qualification  
A017 raw material identification (as applicable)

A022 Apical Processing  
A024 process certifications  
A026 certification of material conformance

A041 quality management system  
A042 dart notification by supplier  
A043 retention of quality documents

A048 counterfeit parts avoidance, detection, mitigation and disposition program

A049 supplier awareness

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit [www.dartaerospace.com](http://www.dartaerospace.com) for further explanation.



A.T.G. Industries Inc.  
731 Industrielle Street  
Rockland, ON K4K 1T2  
Canada

Ph: (613) 446-4544

Fax: (613) 446-4556

### Pack List

Number: 915985

Date: 11-Sep-18

#### To

Dart Aerospace Ltd  
1270 Aberdeen St  
Hawkesbury, ON K6A 1K7

#### Ship To

Chrisoula Tsimiklis  
Dart Aerospace Ltd  
1270 Aberdeen St  
Hawkesbury, ON K6A 1K7

Ph: 613 632-9577

Fax: 613 632-1053

Ph: 613 632-9577

Fax: 613 632-1053

| Terms                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                     | Ship Via     |         |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|---------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                     | ATG Delivery |         |
| Quantity                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Description                                                                                                                                                                                                                         |              |         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Please reference this document's Pack List number on all correspondences regarding this shipment. If you have any questions, please contact us.                                                                                     |              |         |
| 40<br>ea                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Part: 647.1914<br>Bracket<br>Hard Black Anodize per MIL-A-8625F, Type III, Class 2, .0005-.0045" (.5 - 4 5mils).<br>Job: 23616                                                                                                      | Rev: N/C     | Line: 2 |
| 45<br>ea                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Part: 647.1913<br>Tee<br>Hard Black Anodize per MIL-A-8625F, Type III, Class 2, .0005-.0045" (.5 - 4.5mils)<br>Prime per MIL-PRF-23377, Type I, Class N (Customer Supplied), .0006-.0009" (.6 - .9 mils) per drawing.<br>Job: 23618 | Rev: NC      | Line: 4 |
| <b>CERTIFICATE OF CONFORMANCE</b><br>A.T.G Industries Inc. certifies that all items in this shipment conform to the requirements.<br><br>Date: <u>11/9/18</u><br><br>Certified Signature: <u>[Signature]</u><br><br>Receiver Signature: _____<br><br>A.T.G Industries Inc. is AS9100 Registered and Nadcap Chemical Processing Accredited.<br><br>Note: This Packing Slip may contain parts that have been PLATED. Items that are plated may be subject to natural tarnishing and it is suggested that they be inspected within 24 hours of receipt. |                                                                                                                                                                                                                                     |              |         |
| Made in Canada.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                     |              |         |